CLINICAL SCIENCES

DIAGNOSTIC NUCLEAR MEDICINE

SIMULTANEOUS DISPLAY OF GATED TECHNETIUM-99m STANNOUS PYROPHOSPHATE AND GATED BLOOD-POOL SCINTIGRAMS
James R. Corbett, Samuel E. Lewis, Gregory Dehmer, Frederick J. Bonte, Robert W. Parkey, L. Maximilian Buja, and James T. Willerson ................................................................. 671

THE EFFECT OF GASTROINTESTINAL HORMONES ON THE PERTECHNETATE IMAGING OF ECTOPIC GASTRIC MUCOSA IN EXPERIMENTAL MECKEL'S DIVERTICULUM
George N. Sfakianakis, Glen F. Anderson, Denis R. King, and E. Thomas Boles, Jr. ......................................................... 678

SCINTIGRAPHY OF HEPATIC HEMANGIOMAS: THE VALUE OF Tc-99m-LABELED RED BLOOD CELLS: CONCISE COMMUNICATION
Dov Front, Henry D. Royal, Ora Israel, J. Anthony Parker, and Gerald M. Kolodny .............................................................. 684

RADIOUNUCLIDE QUANTITATION OF LEFT-TO-RIGHT CARDIAC SHUNTS USING DECONVOlUTION ANALYSIS: CONCISE COMMUNICATION
Hamphrey R. Ham, André Dobbelie, Pierre Viart, Amnon Piepsz, and André Lenaers .................................................... 688

INVESTIGATIVE NUCLEAR MEDICINE

BONE HEALING IN RABBITS AFTER COMPRESSION OSTEOSYNTHESIS, STUDIED BY Tc-99m(Sn)POLYPHOSPHATE SCINTIMETRY AND AUTORADIOGRAPHY
Jørgen Greiff ................................................................. 693

CASE REPORTS

CHOLESCLINTIGRAPHY: GALLBLADDER NONVISUALIZATION SECONDARY TO NEOPLASM
Myron L. Lecklitner, Paul R. Rosen, and Martin L. Nusynowitz ................................................................. 699

CLINICAL IMAGING WITH INDIUM-111 LEUKOCYTES: UPTAKE IN BOWEL INFARCTION
H. W. Gray, I. Cuthbert, and J. R. Richards ................................................................. 701

BASIC SCIENCES

RADIOCHEMISTRY AND RADIOPHARMACEUTICALS

TECHNETIUM RADIOPHARMACEUTICALS: CHEMICAL CHARACTERIZATION AND TISSUE DISTRIBUTION OF Tc-GLUCOHEPTONATE USING Tc-99m AND CARRIER Tc-99
Wim de Kieviet ................................................................. 703

TRICATECHOLAMIDE ANALOGS OF ENTEROBACTIN AS GALLIUM- AND INDIUM-BINDING RADIOPHARMACEUTICALS
Stephen M. Moerlein, Michael J. Welch, Kenneth N. Raymond, and Frederick L. Weit ................................................................. 710

Se-75-LABELED BILE ACID ANALOGS, NEW RADIOPHARMACEUTICALS FOR INVESTIGATING THE ENTEROHEPATIC CIRCULATION
George S. Boyd, Malcolm V. Merrick, Reginald Monks, and Idris L. Thomas ................................................................. 720

INSTRUMENTATION

CHARACTERISTICS OF A SCANNING, MULTIDETECTOR, SINGLE-PHOTON ECT BODY IMAGER

ADJUNCTIVE MEDICAL KNOWLEDGE

DETECTION OF ECTOPIC GASTRIC MUCOSA IN MECKEL'S DIVERTICULUM AND IN OTHER ABERRATIONS BY SCINTIGRAPHY: II. INDICATIONS AND METHODS—A 10-YEAR EXPERIENCE
George N. Sfakianakis and James J. Conway ................................................................. 732
TEACHING EDITORIAL

THE SAGA OF SCINTIGRAPHY IN ACUTE MYOCARDIAL INFARCTION
J. A. Bianco .............................................................. 739

LETTERS TO THE EDITOR

RE: EVALUATION AND COMPARISON OF TWO FULLY AUTOMATED RADIOASSAY SYSTEMS WITH DISTINCTLY DIFFERENT MODES OF ANALYSIS
P. Devos ............................................................... 743
REPLY
I-Wen Chen and Harry R. Maxon .................................... 743
ON THE IMPROVEMENT OF ANALYSES OF XENON-133 LUNG WASHIN AND WASHOUT CURVES
Lawrence E. Williams .................................................... 744
REPLY
Th. W. van der Mark, R. Peset, H. Beekhuis, A. Kiens, A. E. C. Rookmaker, and M. G. Woldring .............. 745
NICOTINIC ACID—A CAUSE OF FAILED HIDA SCANNING
A. G. Richards and Ruth Brighouse ................................... 746
PITFALLS IN TECHNETIUM-99m HIDA BILIAiry IMAGING: DUODENAL DIVERTICULUM SIMULATING THE GALLBLADDER
Janet F. Brown, Julia W. Buchanan, and Henry N. Wagner, Jr ................................................................. 747
TRANSIENT FUNCTIONAL HYPOSPLENIa AND FEVER
Robert P. Ferguson and Giao N. Hoang ................................ 748
ABNORMAL FALSE-POSITIVE RESPONSE OF EXERCISE EJECTION FRACTION DUE TO ROI: FIXED COMPARED WITH VARIABLE
M. K. Karimeddini and V. E. Smith .................................... 749
DEMONSTRATION OF A LEFT-ATRIAL MyXOMA ON THE PARADOX IMAGE
David Carseldine, Alastair Davison, Paul Sullivan, and Ernest Crocker .......................................................... 750
PULMONARY BLEEDING DIAGNOSED AS AN INCIDENTAL FINDING DURING A GATED CARDiac SCAN
Paul Sullivan, Alastair Davison, Anthony Walker, and Ernest Crocker .............................................................. 751

BOOK REVIEWS

DIAGNOSTIC IMAGING IN PEDIATRIC TRAUMA
Reviewed by Salvador Trêves and N. Papanicolaou .................. 753
ATLAS OF COMPUTED BODY TOMOGRAPHY
Reviewed by Edward V. Staab ........................................... 753
LIQUID SCINTILLATION COUNTING—RECENT APPLICATIONS AND DEVELOPMENT, VOL. 1. PHYSICAL ASPECTS; VOL. 2. SAMPLE PREPARATIONS AND APPLICATIONS
Reviewed by Lynn Witherspoon ........................................ 754
RADIOGRAPHIC EVALUATION OF THE SPINE-CURRENT ADVANCES WITH EMPHASIS ON COMPUTED TOMOGRAPHY
Reviewed by Kenneth D. Miller, Jr ..................................... 754

ABSTRACTS OF CURRENT LITERATURE ................................. 756
INFORMATION FOR AUTHORS ........................................ 761
CALENDAR .................................................................. 762
PLACEMENT 62A, 63A, 64A, 65A